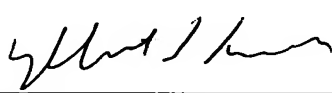


|  |  |   |  |   |  |
|--|--|---|--|---|--|
| Substitute for Form<br>PTO-1390  |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |  | ATTORNEY'S DOCKET NUMBER<br>033033-022                              |  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |  |   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/501980</b> |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP03/00458  |  | INTERNATIONAL FILING DATE<br>17 January 2003 (17.01.2003) |  | PRIORITY DATE CLAIMED<br>18 January 2002 (18.01.2002)               |  |
| TITLE OF INVENTION<br><br>DEVICE FOR LOW-VIBRATION FORCE MEASUREMENT IN RAPID DYNAMIC TENSILE EXPERIMENTS ON MATERIAL SAMPLES  |  |   |  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>BOHME, Wolfgang; and HUG, Manfred   |  |   |  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |  |   |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.   |  |   |  |   |  |
| 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.  |  |   |  |   |  |
| 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.  |  |   |  |   |  |
| 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).  |  |   |  |   |  |
| 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))  |  |   |  |   |  |
| a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).  |  |   |  |   |  |
| b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.  |  |   |  |   |  |
| c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).   |  |   |  |   |  |
| 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))   |  |   |  |   |  |
| a. <input checked="" type="checkbox"/> is attached hereto.   |  |   |  |   |  |
| b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).   |  |   |  |   |  |
| 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))  |  |   |  |   |  |
| a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).   |  |   |  |   |  |
| b. <input type="checkbox"/> have been communicated by the International Bureau.  |  |   |  |   |  |
| c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.  |  |   |  |   |  |
| d. <input checked="" type="checkbox"/> have not been made and will not be made.  |  |   |  |   |  |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  |  |   |  |   |  |
| 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).   |  |   |  |   |  |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).  |  |   |  |   |  |
| Items 11 to 21 below concern document(s) or information included:  |  |   |  |   |  |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.   |  |   |  |   |  |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |  |   |  |   |  |
| 13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.  |  |   |  |   |  |
| 14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.   |  |   |  |   |  |
| 15. <input type="checkbox"/> A substitute specification.   |  |   |  |   |  |
| 16. <input type="checkbox"/> A change of power of attorney and/or address letter.  |  |   |  |   |  |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.   |  |   |  |   |  |
| 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).   |  |   |  |   |  |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).   |  |   |  |   |  |
| 20. <input checked="" type="checkbox"/> Other items or information: <u>Application Data Sheet; General Authorization For Petitions For Extensions of Time and Payment of Fees; International Preliminary Examining Report of Nov. 7, 2003.</u> |  |   |  |   |  |
| 21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., Munich, Germany</u>        |  |   |  |   |  |

|   |   |  |                   |                                     |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
|---|---|--|-------------------|-------------------------------------|--------------|--------------|------|----|--------------|---|-------|---|------------------|--------------------|---|------|---|------------------|---|--|--|-------------------|---------|-------------------------------|--|--|--|-----------|--|--|--|--|-----------|------------|--|--|--|-----------|--|--|--|--|---------|----------------------|--|--|--|-----------|--|--|--|--|---------|-----------------------|--|--|--|-----------|--|--|--|--|-------------------------|--|--|--|--|-----------|
| U.S. APPLICATION NO. 10/501980  |   | INTERNATIONAL APPLICATION NO. PCT/EP03/00458 |                   | ATTORNEY'S DOCKET NUMBER 033033-022 |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| 22. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b><br>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO . . . . . \$1,080.00 (1611)<br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . . \$920.00 (1613)<br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International search fee (37 CFR 1.445(a)(2)) paid to USPTO . . . . . \$770.00 (1610)<br>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . . \$730.00 (1609)<br>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . . \$100.00 (1612)<br><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> \$ 920.00<br>Surcharge of <b>\$130.00 (1617)</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).<br><table><tr><td>CLAIMS</td><td>NUMBER FILED</td><td>NUMBER EXTRA</td><td>RATE</td><td>\$</td></tr><tr><td>Total Claims</td><td>7</td><td>-20 =</td><td>0</td><td>X \$18.00 (1615)</td></tr><tr><td>Independent Claims</td><td>1</td><td>-3 =</td><td>0</td><td>X \$86.00 (1614)</td></tr><tr><td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td><td>+ \$290.00 (1616)</td><td>\$ 0.00</td></tr><tr><td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td><td>\$ 920.00</td></tr><tr><td colspan="4"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td><td>+ \$ 0.00</td></tr><tr><td colspan="4">SUBTOTAL =</td><td>\$ 920.00</td></tr><tr><td colspan="4">Processing fee of <b>\$130.00 (1618)</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td><td>\$ 0.00</td></tr><tr><td colspan="4">TOTAL NATIONAL FEE =</td><td>\$ 920.00</td></tr><tr><td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 (8021)</b> per property +</td><td>\$ 0.00</td></tr><tr><td colspan="4">TOTAL FEES ENCLOSED =</td><td>\$ 920.00</td></tr><tr><td colspan="4"></td><td>Amount to be refunded :</td></tr><tr><td colspan="4"></td><td>charged :</td></tr></table><br>a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed.<br>d. <input checked="" type="checkbox"/> Charge <u>\$ 920.00</u> to credit card. Form PTO-2038 is attached.<br><br><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b><br><br>SEND ALL CORRESPONDENCE TO:<br><br>Burns, Doane, Swecker & Mathis, L.L.P.<br>P.O. Box 1404<br>Alexandria, Virginia 22313-1404<br>(703) 836-6620<br><br><div><div><br/>SIGNATURE<br/><br/>Robert S. Swecker<br/>NAME<br/><br/>19,885<br/>REGISTRATION NO.<br/><br/>July 16, 2004<br/>DATE</div></div> |   |  |                   | CLAIMS                              | NUMBER FILED | NUMBER EXTRA | RATE | \$ | Total Claims | 7 | -20 = | 0 | X \$18.00 (1615) | Independent Claims | 1 | -3 = | 0 | X \$86.00 (1614) | MULTIPLE DEPENDENT CLAIM(S) (if applicable) |  |  | + \$290.00 (1616) | \$ 0.00 | TOTAL OF ABOVE CALCULATIONS = |  |  |  | \$ 920.00 | <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. |  |  |  | + \$ 0.00 | SUBTOTAL = |  |  |  | \$ 920.00 | Processing fee of <b>\$130.00 (1618)</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). |  |  |  | \$ 0.00 | TOTAL NATIONAL FEE = |  |  |  | \$ 920.00 | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 (8021)</b> per property + |  |  |  | \$ 0.00 | TOTAL FEES ENCLOSED = |  |  |  | \$ 920.00 |  |  |  |  | Amount to be refunded : |  |  |  |  | charged : |
|   |   |  |                   | CLAIMS                              | NUMBER FILED | NUMBER EXTRA | RATE | \$ |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| Total Claims  | 7 | -20 =  | 0                 | X \$18.00 (1615)                    |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| Independent Claims  | 1 | -3 =   | 0                 | X \$86.00 (1614)                    |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |   |  | + \$290.00 (1616) | \$ 0.00                             |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| TOTAL OF ABOVE CALCULATIONS =   |   |  |                   | \$ 920.00                           |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |   |  |                   | + \$ 0.00                           |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| SUBTOTAL =  |   |  |                   | \$ 920.00                           |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| Processing fee of <b>\$130.00 (1618)</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |   |  |                   | \$ 0.00                             |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| TOTAL NATIONAL FEE =  |   |  |                   | \$ 920.00                           |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 (8021)</b> per property +  |   |  |                   | \$ 0.00                             |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
| TOTAL FEES ENCLOSED =   |   |  |                   | \$ 920.00                           |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
|   |   |  |                   | Amount to be refunded :             |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |
|   |   |  |                   | charged :                           |              |              |      |    |              |   |       |   |                  |                    |   |      |   |                  |   |  |  |                   |         |                               |  |  |  |           |  |  |  |  |           |            |  |  |  |           |  |  |  |  |         |                      |  |  |  |           |  |  |  |  |         |                       |  |  |  |           |  |  |  |  |                         |  |  |  |  |           |

10/501980

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

0709 Rec'd PCT/PTO 16 JUL 2004

In re Patent Application of

Wolfgang Bohme et al.

Group Art Unit:

Application No.:

Examiner:

Filing Date: Herewith

Confirmation No.:

Title: DEVICE FOR LOW-VIBRATION FORCE MEASUREMENT IN RAPID DYNAMIC TENSILE  
EXPERIMENTS ON MATERIAL SAMPLES

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

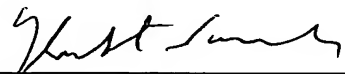
The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

By

  
Robert S. Swecker  
Registration No. 19,885

Date: July 16, 2004